

WHAT IS CLAIMED IS:

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AI
1. A system for transferring real time video information from a source device to one of a plurality of output devices, the system comprising:
- 3 an image capturing device for acquiring video information, the image
- 4 capturing device comprising a processor, a graphics module coupled to the processor, a
- 5 browsing device coupled to the processor, a packetizing portion coupled to the processor,
- 6 the packetizing portion being adapted to convert the video information into a packetized
- 7 stream of information, the packetized stream of information being in a first format, and an
- 8 output device coupled to the processor for transferring the packetized stream of
- 9 information to a network;
- 10 a network gateway coupled to the image capturing device through the
- 11 network, the network gateway being coupled to a worldwide network of computers, the
- 12 network gateway comprising a gateway transcoding device for converting the packetized
- 13 stream of information from the first format to a second format, the network gateway also
- 14 comprising a packetizing portion for transferring the packetized stream of information in
- 15 the second format to the network; and
- 16 a display device coupled to the network gateway through the world wide
- 17 network of computers, the display device comprising a display device for converting the
- 18 packetized stream of information into video information for display, the display device
- 19 also comprising a display for displaying the video information on the display device.
- 1 2. The system of claim 1 wherein the packetized stream of
- 2 information in the first format is compressed.
- 1 3. The system of claim 1 wherein the display device is coupled to a
- 2 wireless network, the wireless network being coupled to the world wide network of
- 3 computers.
- 1 4. The system of claim 1 wherein the display device is selected from
- 2 one of a plurality of devices including a portable computer, a laptop computer, a personal
- 3 digital assistant, a web appliance, a personal computer, and a work station.
- 1 5. The system of claim 1 wherein the first format is different in type
- 2 from the second format.
- 1 6. The system of claim 1 wherein the first format is selected from the
- 2 group consisting of MPEG-1, MPEG-2, MPEG-4, H.263, M-JPEG, M-GIF, ACELP,
- 3 MP1, MP2, MP3, and G.723.1.

1 17. The system of claim 1 wherein the parameters from the look up
2 table includes pixel bit-depth data.

1 18. The system of claim 1 wherein the parameters from the look up
2 table includes frame rate data.

1 19. A distributed system for broadcasting personal streaming data
2 comprises:
3 a video data source coupled to a network, the video data source configured
4 to provide an output stream of video data, the output stream of video data having a first
5 set of video parameters;
6 a client device coupled to the network, the client device configured to
7 receive an input stream of video data, the input stream of video data having a second set
8 of video parameters, and configured to output a device identifier;
9 a gateway server coupled to the video data source and to the client device
10 across the network, the gateway server configured to receive the output stream of video
11 data and to receive the device identifier, and in response to generate the input stream of
12 video data in response to the device identifier; and
13 wherein at least one parameter in the first set of video parameters is larger
14 than a corresponding parameters of the second set of video parameters.

1 20. The system of claim 19:
2 wherein the video data source is also configured to receive video data, and
3 wherein the output stream of video data is determined in response to the
4 video data.

1 21. The system of claim 19:
2 wherein the video data source is also configured to retrieve a data file from
3 a memory, and
4 wherein the output stream of video data is determined in response to the
5 data file from the memory.

1 22. The system of claim 19:
2 wherein the gateway server comprises a look up table, the look up table
3 associating the device identifier with the second set of video parameters; and
4 wherein the gateway server generates the input stream of video data in
5 response to the second set of video parameters.

1 23. The system of claim 19 wherein the at least one parameter in the
2 first set of video parameters is a frame rate parameter.

